# **TRINITY**

INDUSTRIAL FIXTURES
Rectangular High Bay











The Trinity Series industrial fixture is a linear highbay series by ERALUX. It is offered in several sizes and has several mounting methods to suit your project space. One of the distinctive feature of this fixture is the use of aluminum extrusions in order to offer the maximum surface area for the heatsinking of the led arrays. This ensures longer lifetime of the fixture while enabling a higher performance.

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ORDERING CODE	AE-IL-TR					ss

# OPERATING & ELECTRICAL INPUT VOLTAGE 120-277V, 347-480V POWER FACTOR 0.9 DIMMING 0-10V TOTAL HARMONIC constraints (20%)

PERFORMANCE					
LUMENS PER WATT	~140-150 LPW at 80CRI				
POWER	75, 100, 150, 200, 240, 300, 400W				
BEAM ANGLE	90°,120°, 50x90°				

MECHANICAL & HOUSING					
HOUSING	Extruded aluminum for excellent heat dissipation and anti-corrosion.				
LENS	Highly durable polycarbonate lens ensures high efficiency light output for a clean, evenly illuminated surface with minimal glare. High transmittance lens allowing for a smooth, diffused light pattern.				
FINISH	White				
POWER SUPPLY	Factory wired electronic LED driver				
LED BOARD	Discrete LED				

APPLICATION CONDITION					
AMBIENT TEMPERTURE RANGE -40°C to 50°C					
PROTECTION	IP40 damp location				

# **COMPATIBLE MOUNTING**

MOUNTING Suspended mount 3/4" pole mount

### WARRANTY

### **SYSTEM WARRANTY - 5 YEARS**

Eralux will warrant defective drivers, LEDs and boards for 5 years from the date of purchase. This warranty is valid only if the fixture is installed and used as per installation guides and specifications. If a defect is present, Eralux will send drivers and boards at no fee with a thorough replacement instructions along with instructions on the return of the defective parts back to Eralux.

### LUMEN MAINTENANCE - L70 at 100,000 hours

Rated for 70% initial lumen output at 100,000 hours of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES).



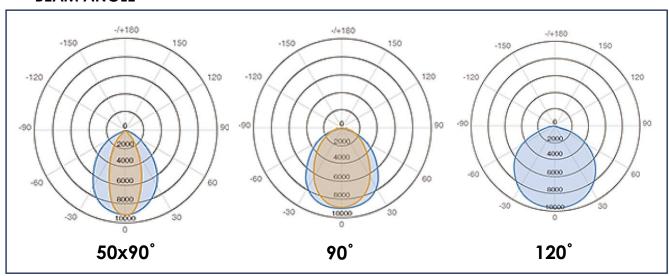
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## **ORDERING GUIDE**

### EXAMPLE: AE-IL-TR75W-40-UV-220-120-0-10SS

FIXTURE FAMILY	POWER	ССТ	VOLTAGE	LED CODE	BEAM ANGLE	CONTROL	DRIVER
AE-IL-TR					-		SS
AE-IL-TR ERALUX industrial fixtures Trinity rectangular high bay	<b>75W-</b> 75 Watts: 11,250 lumens	<b>40-</b> 4000K CCT	<b>UV-</b> 120-277Vac	220-	90- 90° beam angle	0-10 0-10 external dimming down to 10%	SS
	<b>100W-</b> 100 Watts: 15,000 lumens			280-			
	<b>150W-</b> 150 Watts: 22,500 lumens			440-	120- 120° beam angle	MS- Microwave Sensor	
	<b>200W-</b> 200 Watts: 30,000 lumens			560-		PIR Sensor	
	240W-	50-	HV-	680-	<b>5090-</b> 50x90° beam angle		SS-6'Cord Nema Plug
	240 Watts: 36,000 lumens	5000K CCT	347-480Vac			EM- Emergency battery	
	<b>300W-</b> 300 Watts: 45,000 lumens			880-		backup	
	<b>400W-</b> 400 Watts: 60,000 lumens			1120-			

# **BEAM ANGLE**





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# **LUMEN ESTIMATE**

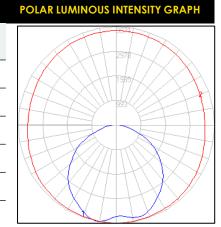
Lumen output varies based on CCT and CRI. An estimate of lumen output of the various CCT/CRI combinations, use correction factors as per table below:

Lumen estimate adjustment factors						
CCT	2700K	3000K	3500K	4000K		
NORMAL (80CRI)	0.91	0.94	0.97	1		

# **PHOTOMETRIC DATA**

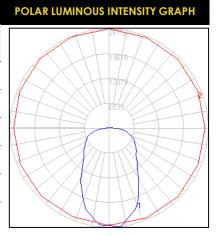
AE-IL-TR75W-40-UV-220-120-XX-SS 4000k CCT 75 WATTS 120 BEAM ANGLE

ZONAL LUMEN SUMMARY							
	ZONE	LUMENS	% OF FIXTURE				
	0-20°	1409.92	13.2				
	0-30°	3013.44	28.3				
	0-40°	4922.43	46.30				
	0-60°	8561.46	80.40				
	0-80°	10473.57	98.40				
	0-90°	10642.18	100.00				



AE-IL-TR400W-40-UV-220-120-XX-SS 400 WATTS 120 BEAM ANGLE 4000K CCT

ZONAL LUMEN SUMMARY							
	ZONE	LUMENS	% OF FIXTURE				
	0-20°	9053.06	16.00				
	0-30°	18253.94	32.30				
	0-40°	27976.22	49.50				
-	0-60°	44526.17	78.90				
-	0-80°	54124.28	95.90				
	0-90°	55592.57	98.50				



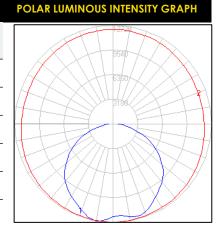


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# **PHOTOMETRIC DATA (Continued)**

AE-IL-TR240W-40-UV-220-120-XX-SS 240 WATTS 120 BEAM ANGLE 4000K CCT

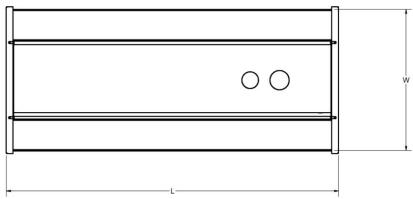
ZONAL LUMEN SUMMARY						
ZONE	LUMENS	% OF FIXTURE				
0-20°	4550.43	12.80				
0-30°	9727.02	27.40				
0-40°	15951.31	44.90				
0-60°	28157.57	79.20				
0-80°	34944.06	98.30				
0-90°	35555.14	100.00				



### **PRODUCT DIMENSIONS**

400

### AE-IL-TR





10/254

2.32/59



43.1/1094



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## **ACCESSORIES**

Ordered separately

### **EMERGENCY BACK-UP BATTERY**

AE-IL-TR-EM



60 minutes emergency back-up kit

**LENS** 

AE-IL-TR-LENS

Replacement polycarbonate lens





Protective wire guard

MOTION SENSOR AE-IL-TR-MW-PIRS

PIR motion sensor





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## **OVERVIEW**

